

1. Use Case: An investigator would like to know how many patients have tissue samples available for use in a study where benign, dysplastic, local tumor, and metastatic tumor are available from each individual patient.
 - Query: I want to make a tissue array which has benign colonic epithelium, adenomatous tissue, local adenocarcinoma, and metastases from as many colon cancer patients as possible. I need all four histologic classes of tissue on each patient, but I don't care what kind of adenoma is used nor where the metastatic tissue is from, as long as it's metastatic colon cancer. All samples must be available for use/consumption in a study I'm proposing.
2. Use Case: An investigator would like to know how many tissue blocks of prostate needle biopsies specimens are available for review where there is adenocarcinoma present in the biopsy sample, the patient later undergoes a radical prostatectomy, and there is subsequent chemical recurrence documented by subsequent PSA test results.
 - Query: I want to review the needle biopsies on all the patients who had a radical prostatectomy but later had chemical recurrence. I need the blocks because I want to do a new immunohistochemical stain on those original biopsies.
3. Use Case: An investigator needs to obtain all the original tissue slides from lymphoma cases where the patient participated in a particular clinical trial.
 - Query: I need to review all the slides used in this clinical trial to verify the diagnosis. I only care about any lymphoma slides on any patient in the trial. I don't care about other slide, and I need the original slides, not the blocks.